

08/737319  
STN Search Summary

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FILE 'CAPLUS' ENTERED AT 15:18:36 ON 28 MAR 2003

L1 209 S ISOPENTENYL (2W) (PYROPHOSPHATE OR DIPHOSPHATE) (2W) ISOMERAS  
L2 72 S IPP (2W) ISOMERASE  
L3 233 S L1 OR L2  
L4 8 S L3 AND (RHODOZYMA OR PLUVIALIS)

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2003 ACS

AN 1999:784235 CAPLUS

TI Genes for enzymes of carotenoid biosynthesis and metabolism of bacteria and plants and their uses

IN Cunningham, Francis X., Jr.; Sun, Zairen

PA University of Maryland, USA

SO PCT Int. Appl., 134 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9963055	A1	19991209	WO 1999-US12121	19990602
	AU 9944109	A1	19991220	AU 1999-44109	19990602
	EP 1088054	A1	20010404	EP 1999-927130	19990602
	JP 2002517187	T2	20020618	JP 2000-552251	19990602
	BR 9917265	A	20021203	BR 1999-17265	19990602
	BR 2000007128	A	20010717	BR 2000-7128	20001204
PRAI	US 1998-88724	A	19980602		
	US 1998-88725	A	19980602		
	WO 1999-US12121	W	19990602		

L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2003 ACS

AN 1999:701266 CAPLUS

TI Isolation of the isopentenyl diphosphate isomerase encoding gene of *Phaffia rhodozyma*; improved carotenoid production in *Escherichia coli*

AU Verdoes, Jan C.; Van Ooyen, Albert J. J.

SO Acta Botanica Gallica (1999), 146(1), 43-53

L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2003 ACS

AN 1998:622597 CAPLUS

TI Differential expression of two isopentenyl pyrophosphate isomerases and enhanced carotenoid accumulation in a unicellular chlorophyte

AU Sun, Zairen; Cunningham, Francis X., Jr.; Gantt, Elisabeth

SO Proceedings of the National Academy of Sciences of the United States of America (1998), 95(19), 11482-11488

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2003 ACS

AN 1997:679160 CAPLUS

TI Plant genes for enzymes of carotenoid biosynthesis and metabolism and methods of cloning them

IN Cunningham, Francis X., Jr.; Sun, Zairen

PA University of Maryland College Park, USA

SO PCT Int. Appl., 89 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9736998	A1	19971009	WO 1997-US540	19970128
	US 5744341	A	19980428	US 1996-624125	19960329

	CA 2250096	AA	19971009	CA 1997-2250096	19970128
	AU 9715784	A1	19971022	AU 1997-15784	19970128
	AU 719727	B2	20000518		
	EP 889952	A1	19990113	EP 1997-902017	19970128
	BR 9708375	A	19990803	BR 1997-8375	19970128
	JP 2000507451	T2	20000620	JP 1997-535243	19970128
	ZA 9701941	A	19970910	ZA 1997-1941	19970306
PRAI	US 1996-624125	A	19960329		
	WO 1997-US540	W	19970128		

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2003 ACS

AN 1997:506702 CAPLUS

TI Improved transformation of and expression in *Phaffia* by using the promoter of glycolytic pathway gene or ribosomal protein gene

IN Verdoes, Jan Cornelis; Wery, Jan

PA Gist-Brocades B.V., Neth.; Ooijen, Albert Johannes Joseph; Verdoes, Jan Cornelis; Wery, Jan

SO PCT Int. Appl., 117 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9723633	A1	19970703	WO 1996-EP5887	19961223
	EP 780474	A1	19970625	EP 1995-203620	19951222
	CA 2241267	AA	19970703	CA 1996-2241267	19961223
	AU 9713087	A1	19970717	AU 1997-13087	19961223
	AU 725340	B2	20001012		
	EP 870042	A1	19981014	EP 1996-944694	19961223
	JP 2000507087	T2	20000613	JP 1997-523340	19961223
	US 6329141	B1	20011211	US 1998-91725	19981119
PRAI	EP 1995-203620	A	19951222		
	EP 1996-200943	A	19960411		
	WO 1996-EP5887	W	19961223		

L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2003 ACS

AN 1997:394583 CAPLUS

TI Expression of an exogenous isopentenyl diphosphate isomerase gene enhances isoprenoid biosynthesis in *Escherichia coli*

AU Kajiwara, Susumu; Fraser, Paul D.; Kondo, Keiji; Misawa, Norihiko

SO Biochemical Journal (1997), 324(2), 421-426

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2003 ACS

AN 1996:659426 CAPLUS

TI Recombinant preparation of carotenoid in transgenic microorganisms with improved yield

IN Kajiwara, Susumu; Misawa, Norihiko; Kondo, Keiji

LA Japanese

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9628545	A1	19960919	WO 1996-JP574	19960308
	JP 08242861	A2	19960924	JP 1995-51234	19950310
	JP 3151371	B2	20010403		
	JP 2001136992	A2	20010522	JP 2000-320990	19950310
	AU 9648899	A1	19961002	AU 1996-48899	19960308
	AU 685354	B2	19980115		
	EP 769551	A1	19970423	EP 1996-905037	19960308
	NO 9604754	A	19970108	NO 1996-4754	19961108
PRAI	JP 1995-51234	A	19950310		
	WO 1996-JP574	W	19960308		